BOULLETIN Volume 33 - Number 4 / January 26, 1979 BROOKHAVEN NATIONAL LABORATORY

BNL/Stony Brook Will Train Environmental Disease Specialists

BNL's Medical Department and the Pathology Department of SUNY Stony Brook's Health Sciences Center will join forces this fall to train scientists specializing in environmental pathology of the respiratory tract. The National Institute of Environmental Health Sciences has awarded \$587,500 in funding to a five-year joint program which will provide both pre-doctoral and postdoctoral training in the field of environmental health and respiratory disease.

Stony Brook officials called the program "a major development in interdisciplinary activity for the Health Sciences Center and the University," which will bring together faculty from several other Stony Brook departments, including Medicine, Biochemistry, Pharmacology and Mechanical Engineering.

A vital resource for the program will be BNL's new inhalation toxicology facility. Now in the final stages of completion at the Medical Research Center, the new facility will be used by some of the trainees to investigate the health hazards presented by airborne contaminants which result from the burning of fossil fuels. Significant health problems are posed by these contaminants, particularly in light of the proposed shift from oil back to coal as the major source of fossil energy over the next few decades.

The NIEHS funding will support two trainees at the pre-doctoral level and two at the postdoctoral level during the first year of the program, according to project director Philip Kane, Assistant Professor of Pathology at Stony Brook, and co-director Robert Drew, head of BNL's inhalation toxicology program. Four trainees will be supported at each level during the second year, and six at each level in the third through fifth years.

Trainees will attend formal lecture and laboratory courses as well as special seminars in environmental biology and pathology, said Drew, who is also a Research Associate Professor of Pathology at Stony Brook. The funding will allow trainees to travel and attend scientific meetings, and will support visits to Stony Brook by leading environmental scientists from other institutions.

Trainees will also conduct their own research projects, either at the Stony Brook

Korean Delegation



Representatives from the Korean Institute of Energy Conservation visited Brookhaven recently on the first step of a U.S. tour, with a view toward establishing an R&D program and identifying opportunities for technical exchange. Lewis Jacobson, BNL's Energy Conservation Coordinator arranged the agenda for their visit here and, at one point, they visited the Alternate Liquid Fuel (ALF) area. Examining a sample of ALF are (from left) Park Young Jae, Chief Engineer, Kim Jee Dong, Director of Technology and Shin Dong Ryul, Chief Researcher, with Jack Hennessy (Plant Engineering).

campus or at BNL's Medical Department.

Although most of the program's courses and seminars will be given at Stony Brook, BNL's inhalation toxicology facility will be an important research aid for some of the trainees, said Drew. The facility's extremely sophisticated equipment will allow controlled exposure of animals to highly toxic compounds, and combinations of compounds, which might be found in air pollution. "For students interested in animal research, the new facility will be a unique resource which is not available at Stony Brook," Drew said.

The BNL facility would be ideally suited for research projects on changes in lung architecture or biochemistry due to exposure to chemical pollutants, he explained. Other projects might include studies of the different ways in which sick and well animals respond to pollutants – research which will increase our understanding of why people with chronic pulmonary disease are at greater risk than healthy people during periods of heavy air pollution.

Drew says that it is possible that some of the trainees – particularly on the postdoctoral level – will be in residence at the Lab, doing the bulk of their work in the inhalation toxicology facility.

Pre-doctoral students in the program (continued on page 2)

Winsche Named Deputy Director

The appointment of Warren E. Winsche as Deputy Director, effective February 1, was announced on Tuesday by Laboratory Director George H. Vineyard.

In his new post, Dr. Winsche will assist the Director in all phases of the general administration of the Laboratory, and will stand in for the Director in the latter's absence. Winsche has been Associate Director for



Warren Winsche

Energy for the past three and one-half years and will continue to have responsibility for the applied science and energy technology programs of the Laboratory, which includes overseeing the Department of Nuclear Energy and the Department of Energy and Environment.

Warren Winsche has been associated with Brookhaven since 1946 when he came to head the Pile Engineering Division. He participated in the design of the Brookhaven Graphite Research Reactor and the Hot Laboratory, and later was appointed Assistant Chairman of the Reactor Department.

In 1952, Winsche left Brookhaven to join E.I. duPont de Nemours as Senior Research Supervisor. He remained there for 10 years and became Research Manager of the Chemical Separations Engineering Division at the Savannah River Plant.

In 1962 he returned to Brookhaven as Chairman of the Nuclear Engineering Department (later Applied Science) and headed that department until July 1, 1975 when he was appointed Associate Director for Energy.

Under his leadership, a broad base of energy-related programs has been developed at Brookhaven, including energy systems analysis, energy storage development, reactor safety, nuclear materials safeguards, atmospheric sciences, coastal oceanography and energy materials development.

Lab Will Stress Minority Participation in ISABELLE Construction

Brookhaven has announced that contractors bidding on construction contracts for the new ISABELLE accelerator will be required to submit a minority business enterprise plan aimed at increasing the contractor's use of minority business subcontractors on the job.

Contractors will be required to include a minority business enterprise plan along with their bids, and a detailed plan acceptable to the Laboratory must be included in the contract, said Laboratory Director George Vineyard.

The decision to require such a plan was made following a meeting held in late December, between officials of Brookhaven and DOE and representatives of the Suffolk County Human Rights Commission and the Long Island Minority Coalition. The purpose of the meeting was to discuss ways of securing stronger participation of minorities in the new construction projects now getting underway at the Laboratory. These projects are the \$275 million ISABELLE accelerator and the \$24 million National Synchrotron Light Source.

According to Dr. Vineyard, the meeting was "extremely helpful in focusing on the problems and finding ways to surmount them." He said that the representatives of the Long Island Minority Coalition agreed to assist the Laboratory in locating potential bidders from the minority community. It was agreed that further meetings with the Laboratory and DOE officials will be held periodically in order to assess progress and explore other means of bringing minority businesses and minority workers into these projects.

Dr. Vineyard noted that Brookhaven has for a long time exerted special efforts toward insuring equal opportunity for all races and for both men and women. The Laboratory has a number of special recruitment and training programs directed toward these ends. The Laboratory also has a Small Business/Minority Business Liaison Office, which has the responsibility of assuring that minority-owned businesses and small businesses are given full opportunity to bid on Laboratory procurements and contracting actions. The Office is headed by Joseph Haeg, who is assisted by William Rogers.

Dr. Vineyard noted that in the last four years, while the Laboratory population has increased 29%, the number of minorities employed has increased 54%, and the number of women has increased 50%. Minorities now represent 13.5% of the staff, and women 21.4%

Speakers Bureau January

William Graves (DEE), Kiwanis Club of Southampton, "Energy Conservation and Solar Applications, January 4.

Edward McFadden (Math), Career Day at Commack North High School, "Careers in Computers," January 8.

Bruce Martin (Math), Career Day at Adelphi University, "Careers in Computing (Scientific Applications)," January 10 and 11.

Karen Schaich (Med), Career Day at Adelphi University, "Careers in Biochemistry, food science, and nutrition," January 11.

Harvey Thomas (DO), Career Day at Adelphi University, "Careers in Engineering," January 10 and 11.

Julio Acevedo (Med), American Lung Association of Nassau-Suffolk, "Synergistic Effects of Smoking with other Environmental Hazards," January 18.

Assertiveness At BNL

Another series of Assertiveness Workshops conducted by Francine Berger has been scheduled. The Workshop Meetings will be held on February 16, 23, and March 2, from 12:30-2:00 p.m.

The objective of the workshop is to improve the participant's ability to communicate and interact with others, both on the job and in their personal lives.

This program is open to all employees work permitting. Enrollment forms are available at the Personnel Office reception desk and must be completed by Monday, February 5. For information please call Robert D'Angio, Ext. 2878.

Patent Awarded To Distenfeld

Carl Distenfeld, a health physicist in S&EP, was recently awarded patent number 4,100,414 for a "Method for Measuring Dose-Equivalent in a Neutron Flux with an Unknown Energy Spectra and Means for Carrying Out that Method."

The patented method is a significant improvement over prior personnel dosimeters. "The detector measures two different parts of the exposure spectrum," Distenfeld said, "so that the combined result can more correctly describe the neutron dose that the wearer was exposed to."

Information taken from the high and low energy detectors are compared allowing an improved interpretation for the low energy albedo neutron detector. The neutron dose equivalent is the combined interpretation of the high energy thorium fission dosage track detector and the adjusted



Composite albedo damage track personnel neutron dosimeter. —photo by Rosen

lower energy albedo neutron thermoluminescent detector.

"The improved interpretation method is unique and significantly improves the state of the art," stated Distenfeld, who was also issued a patent for "Mixed Species Radioiodine Air Sampling Readout and Dose Assessment System" earlier this year.

Although not yet in use at the Lab, Distenfeld noted that "the largest scale use of the dosimeter is potentially by those in the (continued on page 2)

Jill Kaufman Among Glamour's Top Ten

Jill Kaufman has known since October of last year that her picture, work and academic history would appear in the February issue of Glamour, one of the most widely read women's magazines in the country. Selected as one of the magazine's ten outstanding U.S. working women for 1979 from a field of 700 applicants, Jill manages not to let the considerable honor overwhelm her. In fact, when the magazine came in her mail earlier this month, "it was a long time," she said, "before I got up enough courage to open it, to see my picture and read about myself." Jill has since grown accustomed to the publicity.

Glamour's "Success Choices" is an annual competition sponsored by the magazine to find ten outstanding young working women. Selections are made on the basis of the applicant's age, level of education and how much she has accomplished in her field. Jill is the youngest of this year's winners. She is the only female engineer in BNL's Reactor Safety Division. Her work involves finding a new way to predict the behavior of a nuclear reactor during a large-scale accident.

Jill was prompted to enter the contest when she read about the women chosen for 1978. She felt that her accomplishments and education made her as equally qualified as past winners. "I saw the application in last February's issue," said Jill "and sent for the information. It meant I had to write an essay about myself and how I used my education to attain my career goal." "Writing it," she continued, "was terrible. I waited until the last minute."

In October, Glamour conducted a telephone interview with Jill at the Lab which left her "white as a ghost." Shortly after, Jill was notified that she'd been selected as one of the winners.

Jill received her undergraduate degree from Rensselaer Polytechnic Institute in mechanical engineering and received her M.S. from M.I.T. where, as a professor's research assistant, she wrote a computer code to predict the behavior of a cooling system in the event of an accident. As a result of her graduate work, Jill was offered her job at the Lab.

One of the most exciting features of being selected as a winner, Jill commented,

BNL/Stony Brook

(Cont'd)

will be working toward a Ph.D. in pathology, and it is expected that trainees will go on to careers in basic or applied research in government or private industry, or in research and teaching at academic institu-

The new program will help fill "a pressing national need for qualified individuals in environmental medicine," noted Marvin Kuschner, Dean of Stony Brook's School of Medicine.

New York Train Trip

The Hospitality Committee is planning a group railroad trip to New York City on Wednesday, February 7. Departure will be at 8:28 a.m. from the Patchogue LIRR station. Round-trip fare for adults is \$2.45, children under six years ride free.

Reserve a ticket by sending your fare through the U.S. mail to P.O. Box 322, Upton, New York 11973, no later than Thursday, February 1. Make checks payable to Brookhaven National Laboratory. Your tickets will be given to you on the train. Refunds will be made only if cancellations are received by the Friday preceding the scheduled trip.

Group railroad trips to the City are normally scheduled for the first and third Wednesdays of each month. If there is a change in the schedule, a notice will appear in the Bulletin. Listed below are the scheduled train trips to the City for 1979.

February 7 & 21 March 7 & 21 April 4 & 18 May 2 & 16 June 6 & 20 July 11 & 18 August 1 & 15 September 5 & 19 October 3 & 17 November 7, 21, & 27 (Tuesday) December 5 & 19



Jill Kaufman

was being photographed for Glamour in their Manhattan offices. "Because I was interested in what was going on while I visited, I was taken out to lunch and then to a fall fabric showing," she noted.

Glamour didn't ask, however, about Jill's activities outside the office. She has played French horn for half her life and performs six concerts a year with the University Orchestra at Stony Brook and with the Bellport Community Chamber players. She is a member of the BNL Roadrunners and competes in on-site softball and volleyball. Jill also has a student's pilot license.

"I work with nice people here," Jill said, "and I enjoy my work. I like the Lab's relaxed atmosphere and I can continue to learn." But she is not a big fan of Long Island: "It seems to lack an identity," she thought.

Jill has plans of returning to school "eventually" but feels no pressure to attain her Ph.D. immediately. She is considering pursuing an M.B.A. and hopes to move into a management position as a technical advisor in the future.

Across 1 Administra-

tive.....: Abbr.

Chemistry Dept. 10 Court coups for

5 Road past the

Ryu Iwai

for short

15 Variety of figs

Greenberg

Nuclear Energy

20 Pearlstein of

21 Part of i.e.

22 Choose 23 TV band

25 Isolate

28 Rational

31 Prince of

(believe)

or defer

40 Mr. Baba

30 In..... (bored)

Roadrunners

36 Subject of DOE-

BNL symposium

Nov. 6-7, 1978

... one's word

16 Study at the library 17 It smiled on Bill

14 Nightclub name,

Laredo To Replace Frantz in BERA Concert

Justus Frantz, the pianist scheduled to perform in Berkner Hall on February 2, broke his wrist earlier this week. BERA is fortunate to have as his replacement, Ruth Laredo, who has been enthusiastically received at Brookhaven in two previous con-

Her program, which starts at 8:30 p.m., will include three mazurkas of Chopin and his Sonata in B flat, the Poeme, Op. 32, and the Sonata #9, the "Black Mass" of Scriabin, Rachmaninoff's Etude Tableau in C Minor and two Moment Musiceaux of Op. 16 and La Valse by Maurice Ravel.

As soloist with major U.S. orchestras, Ruth Laredo has achieved a reputation as one of today's foremost pianists. Her sensational debut with Boulez and the New York Philharmonic during the 1974-75 season was greeted with raves.

She has won wide recognition for her recordings of the complete Scriabin Sonatas and Preludes, as well as for her recordings of Ravel and the complete piano solo works of Rachmaninoff.

Her career has had many facets, and her interest in a wide range of music has given her a reputation of enormous versatility and energy. She has, for example, performed virtually the entire chamber music repertoire. In a feature article about her in the New York Times, entitled, "At the Keyboard, This Lady is a Tiger," John Gruen said, "If luck and the stars are with her, she may just possibly become the pres-



Ruth Laredo

ent generation's first truly major American woman pianist.'

Tickets are \$4.00 general admission, \$2.00 for students and persons over 65 and \$1.00 for persons under 18.

CREF Values

January	\$35.72	February	\$34.96
March	36.15	April	39.28
May	39.62	June	38.94
July	41.03	August	42.17
September	41.86	October	38.18
November	38.80		
	ъ .	000 44	

January	\$35.72	February	\$34.96
March	36.15	April	39.28
May	39.62	June	38.94
July	41.03	August	42.17
September	41.86	October	38.18
November	38.80		
	December	\$39.44	

Service Awards

The following employees will receive service awards during the month of January. Thirty Years

Sophie P. Kostuk	Chemistry
Gerhard H. Tiller	Instrumentation
Donald R. Tuttle	Physics
George S. White	Biology

Twenty Years

Gerald W. Bennett	Nuclear Energy
Gwendolyn B. Bergin	Energy & Env.
George J. Hummer	Physics
George Kissel	Energy & Environ.
Lois J. Konon	Medical
John B. Laurie	Photog. & GA
Leslie L. Lawrence	Appl. Math.
Gerald S. Levine	Safety & Env. Prot.
George R. Reisert	Plant Engrg.
Richard J. Sutter	Physics

Ten Years

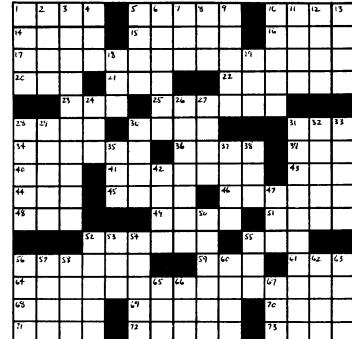
Plant Engrg.
Accelerator
Chemistry
Safety & Env. Prot.
Central Shops
Plant Engrg.
Physics
Safety & Env. Prot.
Accelerator
Plant Engrg.

Patent Award (Cont'd)

pressurized water power reactor field and by personnel working around large accelerators such as the AGS." The newer badge, which is slightly longer than the one currently used at BNL, also measures the gamma and neutron exposure components (like the film badge), except that the neutron portion is measured by two components which allow a variable interpretation for a more accurate estimate of the wearer's dose equivalent.

Distenfeld, a Lab employee for twenty years, is involved with special developmental projects such as instrument development for environmental measurements subsequent to power reactor accidents. His current project involves designing and overseeing the construction of the HFBR computer controlled stack monitoring facil-

Crossword Puzzle



- 71 Feature of the HFBR building
- 39 Suffix with differ 73 Requirement

Down

- 41 E.N. Shaw's department 43 Narrow inlet
- 44 Half a sawbuck 45 Lover of Narcissus 46 Like our
- Cafeteria fare
- 48 Dried fruit
- 49 Seed of a patent
- 51 Some chemical tracers
- 52 Building 134 is
- from Building 459 55 Inquire
- 56 Largest arteries
- 59 Craggy peak
- 64 Recent events for
- 68 Famous British school
- 69 Whitetails
- 61 Voucher of a sort
- ISABELLE and **NSLS**
- 70 Concerning

- 72 Leavening agent
 - "Come Blow Your Horn'
 - segments
 - 2 N.Y.C. section 3 Mountain Club
 - activity
 - 4 Children's game **Employees Collier**
 - and Colsmann
 - 6 Kind of beetle
 - 7 Saturated 8 Gremlin
 - 9 Dr., children's author
 - 10 "Thanksgiving Special" pie choice
 - 11 "Great Soda Debate" item 12 Crump of
 - Applied Math 13 In the mail
 - 18 Third man in the ring

- 19 Brooks or Torme
- 24 ... -haw
- 26 Mixed league volleyball team
- "And, my lord, have not been idle": Anon. .. Services,
- W.S. Webster's group 29 Small Hawaiian
- 30 Suffix with symptom or emblem

tree

- 31 Our applicant for Torch Bearer 32 Undergo fusion
- 33 Works overtime 35 Seifert of Plant Engineering
- 37 Turkish noble 38 Caustic
- 42 Its area codes are 216, 419, 513 and 614
- 47 Regular "Bulletin" feature

- acetates
- 52 Whistle (act carefree)
- 53 Is able 54 "I Am Woman" singer
- 55 Genesis vessel 56 Advanced toward retirement .. take arms
- against a sea of troubles" 58 Office
- 60 Tobacco kiln
- 62 Fairy tale villain 63 Like some merchandise
- in 47 down 65 Stinger 66 U.S. cartoonist Gardner
- 67 twelve thousand, none -from Richard II, Shakespeare

Arrivals & Departures

Arrivais			
Elizabeth T. Coyle	Medical		
Carl G. Holmstrom	Central Shops		
Robert Kaszuba	Ofc. of Manage. Sys.		
Kenneth G. Morton	Accelerator		
Robert W. Siemon	Accelerator		
Donald W. Swinford	Nuclear Energy		
James R. Wangelin	Medical		
Fay Y. Yang	Biology		

Departures

Gerald K. McKenna......Safety & Env. Prot.

BROOKHAVEN BULLETIN

Published weekly for the employees o

BROOKHAVEN NATIONAL LABORATORY

BERNICE PETERSEN, Editor
ANNE BAITTINGER, Staff Writer
ROSANNE PAGANO, Editorial Assistant

40 Brookhaven Ave., Upton, N.Y. 11973 Telephone (516) 345-2345

CARL R. THIEN, Public Relations Officer

Letters To The Editor

To the Editor,

Yesterday, on a visit to the AGS, I dropped my wallet somewhere in that area. It contained \$300 in cash. When I returned to the lobby, Helen Keeley (the receptionist) told me that John Smith of the Accelerator Department had found it and turned it in. In these days, when the news always seems to be bad, it is most gratifying to know that good men like John Smith still exist.

-David Hsieh

Reminder To Aliens

Each year immigrant and non-immigrant aliens who are in the United States on January 1, must report their addresses to the U.S. Immigration and Naturalization Service during the month of January. This regulation applies even though there may have been no change of address.

Any alien who is temporarily absent from the country must report his or her address within ten days after his or her return to the United States.

The parent or legal guardian of alien children under fourteen years of age must report for these children.

Alien address report forms are available from any U.S. Post Office through January 31. When completed, the card should be stamped and mailed to the address indicated.



The following is a list of current BERArecognized activities and the names and extensions of persons to contact if an employee wishes to join.

Activity	Contact person	Ext.
Archery	J. Bauernfeind	3274
Art Exhibits	V. Sayre	3364
Aviation	R. DiGirolamo	4805
Badminton	J. Binnington	3489
Basketball	G. Smith	3823
Bowling	R. Jones	3512
Camera Club	M. LeVine	4575
Chorus	J. Weeks	2617
Concerts	D. Lazarus	4643
Cooking Exchange	E. Lowenstein 28	6-2788
Cricket	D. Majumdar	2633
Dance (Hustle Disco)	M. Stoeckel	2459
Exercise	E. Caiazza	2913
Family Camping	L. Fulhaber	3498
Fly Tyers	J. McCafferty	4445
Football	E. Taylor	4126
French Group	R. Weston	4373
Golf	V. Racaniello	4613
Judo	R. Marascia	4672
Mountain/Canoe	R. Watson	3788
Nursery School	G. Williams	4383
Radio Club	G. Walczyk	4243
Rifle/Pistol	J. Stone	3605
Runners/Cyclists	T. Landry	2959
Soccer	R. Fairchild	3649
Softball	D. Klein	4613
Special Events	J. Gazzola	2456
Tennis (Court)	E. Platner	3922
Tennis (Table)	C. Zein	3950
Theater Group	R. Kinsey	2902
${f V}$ olleyball	J. Usher	2096

The Association's purpose is to promote and administer athletic, social and cultural activities for the Laboratory.

22nd Brookhaven Semester Begins



Representing six southern colleges and universities, Brookhaven's spring semester students arrived earlier this month to begin their four month stay at the Lab. Standing, (back row, left to right) are Phelesia Jones, DEE, and Wayne Lewis, Denola Brown and Willie Cooper, all assigned to Medical. Working in Biology and seated, (middle row) are Gary Walton, Jocelyn Pyles and Peter Harris. Seated, (front row) are John "Phil" James, S&EP, and Addie Branch and Byron Tims, DEE. In addition to practical lab experience, the students will take two courses, "Topics in Biochemistry, Molecular and Cellular Biology," and "Topics in Instrumental Analysis."

Basketball

On January 4 the Persuaders, led by Leroy James with 23 points, overcame a 14 point deficit late in the fourth quarter to defeat the Roadrunners 78 to 75. Fletcher Johnson contributed 21 points for the Roadrunners. The second game saw the Rhinos, led by Rick Doran's 19 points, defeat the Spuds 65 to 60. Eric Frak and Bob Doty contributed 18 points each for the Spuds.

On January 11, the Persuaders trounced the Spuds 104 to 71. High scorers were Jerry Hobson (30 pts.) and Wayne Smith (22 pts.) for the Persuaders, and Bob Doty (23 pts.) for the Spuds. In the second game of the double-header, the Rhinos soundly defeated the Roadrunners 96 to 80. Rick Doran paced the winners with 25 points while Gary Mosely poured in 22 points for the leaver.

Despite the fact they were missing their big man, the Persuaders played a nearly impregnable zone defense to hold the Rhinos to a scant 50 points while scoring 78 themselves. Jerry Hobson poured in 32 points for the victors while Leroy James added another 17 points and innumerable rebounds. "Bootie" Woodson drove the final nail into the coffin of the Rhinos with 14 points. Dennis Nordstrom had 12 points for the Rhinos. The balanced scoring, led by Stan Gilbert (23 pts.) and Fletcher Johnson (24 pts.), allowed the Roadrunners to triumph over the Spuds in a bitterly fought contest 95-83. Bob Doty contributed 22 points for the Spuds.

Stony Brook Events

Friday, January 26

Registration: For 10-week workshops in various crafts, through Feb. 10, Stony Brook Union Crafts Center. Hours: Mon.-Thurs., 12-9 p.m.; Sat. and Sun., 12-5 p.m. Call 246-3657 for more information.

Art Exhibit: "The Community Collects," prints, paintings, sculpture from community collectors, through Feb. 17, CED Informal Studies Community Gallery, 118 Old Chemistry. Hours include Tues., Thurs., 6-8 p.m.

Saturday, January 27

Children's Theatre: O. Henry's "Ransom of Red Chief," Stony Brook Union Auditorium. 2 p.m., today, tomorrow and Feb. 3; 8 p.m., Feb. 2 and 3. \$2 admission. Call 585-6791 for further detail.

Tuesday, January 30 Recital: Soprano Stacy Zuckerman, 8 p.m., Recital Hall, Fine Arts Center.

Wednesday, January 31

Recital: Flutist Paula Robison and harpsichordist Ken Cooper, 8 p.m., Main Auditorium, Fine Arts Center. Tickets: \$7 general public. For further information call 246-5678.

Sunday, February 4

Recital: Clarinetist Jennifer Eldred, 8 p.m., Recital Hall, Fine Arts Center.

Volleyball

Mixed League

Division A

On January 15, Oceanography beat the No Names: 15-6, 15-7, 17-15. Nuts & Bolts shone over Family Affair: 15-13, 11-15, 15-7. Lookin' Good swept Nuclods: 8-15, 15-9, 16-14. Diamonds vs Popovers: Snowed out!

Standings			
Oceanography	9-0		
Family Affair	7-2		
Nuts & Bolts	6-3		
No Names	5-4		
Lookin' Good	4:-5		
Nuclods	2-7		
Diamonds	0-6		

Division B

Medical over Wisa's: 15-1, 0-15, 15-13. Balls & Strikes beat the Nads: 8-15, 15-2, 15-8. Leftovers took all three from the LeMus: 15-5, 15-11, 15-5.

Standings			
Balls & Strikes	13- 2		
Medical	10- 5		
Leftovers	9-6		
Nads	6- 9		
Wisa's	4-11		
LeMufs	3-12		

Employees League

On January 17, the Spikers shone over the Bumps: 21-12, 23-21, 11-21. Cool Tools vs Atom Spikers: Forfeit. Phoenix vs Togo: Postponed.

Final S	tandings First Half		
Spikers	27	3	.900
Bumps	23	7	.767
Toga*	13	. 14	.481
Phoenix*	12	15	.444
Atom Spikers	6	24:	.200
Cool Tools	6	24	.200

Bowling

*Postponed game

Pink League

Scattered good games on the first night of the second half. For the team of Blake's Bellyaches, who took 5 points, Barbara Cochrane had a 166. For the No Names, who took 5 also, Ellie Kristiansen had a 168 and Pat Lebitski 163. For the Pinsplitters, Marge Stoeckel had a 165 and for the Lickety Splits, Helen Keeley had a 173 and Mary Grace Meier, 160.

Red League

The Sandbaggers downed the Cosmos 11-0 by knocking down 3021 pins. C. Bohnenblusch had a 210 (586-667 series), R. Jones a 200 (565-634) and K. Riker grossed 611. The Anachems won 11 from the Trouble Shooters, with E. Gill having a (210-202)-(572-653) night.

This Isa Team won 8-3 over the Freon Loaders. E. Sperry IV had a 200 (612 gross pins). The Old Timers only won 3 in a match with the Dynomites. The 76'ers took

Nursery School

Openings are available in both the three and four-year old classes at the Upton Nursery School. For further information, call Marie Murtagh at 821-9587.

Aviation Club

The December 13 meeting had to be rescheduled to December 20 because of the "blackout."

The following officers were elected: President - Rod diGirolomo; Vice President - Rod Dickinson; Secretary/Treasurer - Audrey Karzenski; Corresponding Secretary - Larry Leipuner. Erwin Rogers gave a very interesting talk on Hang Gliding and showed movies of local flights.

On January 10 a lunch-time meeting was held in Berkner Hall to discuss proposed Federal regulations that will affect general aviation. In addition, "Group Coordinators" were selected to insure a variety of programs that will be of interest to all members of the Club. If you have any suggestions or questions please contact any of the following: Non-Pilots – Audrey Karzenski, Ext. 3962, Bldg. 911A; Advanced Pilots – Lou Addesi, Ext. 4758, Bldg. 911A; Private Pilots – Ron Dosert, Ext. 4082, Bldg. 911A; Student Pilots – David McChesney, Ext. 3563, Bldg. 490.

The next meeting will be held on Wednesday, February 14 at noon in Room A, Berkner Hall.

The Club will sponsor an FAA program on March 14 at 8 p.m. in Berkner Hall. All employees and friends who are interested in aviation are welcome (no charge).

Cafeteria Menu

Week Ending February 2, 1979

9	-, -,	•
Monday, January 29		
Tomato vegetable soup	(cup)	.30
	(bowl)	
Vegetarian omelette w/fr. fr.	` ,	1.25
Grilled ham steak w/1 veg.		1.40
Hot Deli – Pastrami	(on bread)	1.15
•	(on roll)	1.25
Tuesday, January 30	` ′	
Cream of potato-leek soup	(cup)	.30
•	(bowl)	
Meatloaf w/hash browns	` ,	1.30
Macaroni and cheese w/1 ver	g.	1.10
Hot Deli - Corned beef	(on bread)	1.25
	(on roll)	
Wednesday, January 31	, ,	
Pepperpot soup w/spaetzle	(cup)	.40
	(bowl)	.50
Tuna noodle casserole	()	1.25
Southern fried chicken		
w/corn fritters		1.35
Hot Deli - Veal pattie & pep	pers hero	1.25
Thursday, February 1		
Chicken noodle soup	(cup)	.30
•	(bowl)	.40
Pork & cabbage crisp	()	1.35
Salisbury steak w/1 veg.		1.25
Hot Deli - Baked		
Virginia ham	(on bread)	1.25
•	(on roll)	
Friday, February 2	,	
Manhattan clam chowder	(cup)	.40
	(bowl)	
Fried seafood platter w/fr. fr.	1.87 +	
Beef hash w/1 veg.		1.20
Hot Deli - Smoked		
turkey breast	(on bread)	1.25
·	(on roll)	1.35
	, ,	

4 in a close match with the Dynomites. The 76'ers took 4 in a close match with the Pinball Wizards.

In the last match-up, the Designers only managed 3 points against the Old Timers II with C. Zavesky having a 621 gross series.

Purple & White League

The first night of the second half started with two teams, the Double Troubles and the Draftec's, taking all seven points.

High series and high game were rolled by Grace Kyhl 166/191/192-549 for the ladies and for the men, Ben Belligan had high game of 212 and Nate Carter 203/206-555 for high series. Other good games were bowled by Ed Meier 207, Wilma Eriksen 186, Sharon Smith 180, Teresa Van Dervoort 169.

Gold League

The Swingers are still in First Place even though they lost 11 to the Personnelities on Position Night. We're looking forward to the second half of the season.

Classified Advertisements

Placement Notices

The Laboratory's placement policy is to select the bestqualified candidate for an available position, with consideration given to candidates in the following order of priority:(1) present employees within the department, with preference to those within the immediate work group; (2) present employees within the Laboratory as a whole; and (3) outside applicants.

Each week, the Personnel Office lists new personnel placement requisitions. The purpose of these listings is, first, to provide open placement information on all nonscientific staff positions; second, to give employees an opportunity to request consideration for themselves through Personnel; and, finally, for general recruiting purposes. Because of the priority preference policy stated above, each listing does not necessarily represent an opportunity for all candidates. As a guide to readers, the listings are grouped according to the anticipated area of recruitment, as indicated below. Except when operational needs require otherwise, positions will remain open for one week following publication date

For further information regarding a placement listing, contact the Personnel Placement Supervisor, Ext. 2882.

LABORATORY RECRUITMENT: Opportunity for present Laboratory employees.

896. TOWER LINE PERSON - Plant Engineering Div.

897. OFFICE SERVICES ASSISTANT - Requires good typing and general office skills. Accelerator Department, ISABELLE Project.

OPEN RECRUITMENT: Opportunity for present Laboratory employees and outside applicants.

898. ARCHITECTURAL DESIGNER - Requires a Bachelor's degree in architecture or its equivalent experience. Experience in architectural analysis, design and general prosecution of a project required. Will prepare preliminary sketches, specifications, working drawings and estimates. Plant Engineering Division.

899. ELECTRONICS TECHNICIAN - Requires an AAS or its equivalent in electronic technology and experience in troubleshooting computer-controlled equipment. Familiarity with digital circuits and with 3-phase, 480 V power desired. Rotating shifts. Accelerator Department.

900. SURVEY TECHNICIAN - Requires expertise in 2nd order surveying, precise leveling and the ability to independently analyze and solve complete survey problem including computations. Experience in optical tooling desirable. Accelerator Department.

901. STAFF ASSISTANT - AAS or BS in electrical engineering or mechanical engineering or equivalent capabilities and background in managing and analyzing computerized PERT and/or CPM scheduling systems required. PERT software experience is desirable. Accelerator Department, ISABELLE Project.

902. REGISTERED NURSE - To provide care for short and long term patients in our newly developing pulmonary care medical unit. Experience working with patients with pulmonary disease is highly desirable. Medical Department.

Autos & Auto Supplies

TIRE & RIMS - (1) 6.00x12" 4-ply new snow tire, \$10; $14^{\prime\prime}~\&~15^{\prime\prime}$ rims for Fords, Mercurys, etc. \$3 ea. 924-

76 MG MIDGET VINYL TOP - slight tear. \$60. Henry, Ext. 4189

SNOW TIRES - Firestone Town & Country E78-15, used, good tread. \$12/pr. Ext. 3788.

73 CADILLAC SEDAN DE VILLE - 4 new fires, 57,000 mi, loaded, excel cond. \$2500. Gloria, 269-1153.

TIRES - 7.00x15, tube type. \$10 ea w/tube. Leo, Ext.

70 DODGE DART - 4 dr sedan, 96,500 mi. \$900. 744-

7338 after 6.

73 FORD MUSTANG MACH I - 351-4 bbl, 4 spd, a/c, stereo, needs hood & grill. \$1500. Roy, 878-9534

69 FALCON STATION WAGON - p/s, a/t, good

cond. \$400. Yoshiki, Ext. 4008 68 DODGE VAN - in recent accident, repairable, can

be driven, 20,000 mi on rebuilt eng, a/t, Lifetime batt, new w/pump, carb, fan belt, tune-up, winterized, 6 glass belted tires (2 on snow rims). \$650 or highest bidder. Ext. 3254.

6 WAGON WHEELS - 10"x15" for Ford pickup, 4 conventional 2 new mud & snow, mounted & balanced, 537-0524 after 6

TIRES - mostly for spares, E70-14, E78-14, 7.35-14, D78-14, 7.50-14 w/rim, \$10; rest \$3-8. Rich, Ext. 4172.

70 CHEVROLET - p/s, a/t, sm 8, body very good, runs well, needs work. Bryan, 281-8137.

SNOW TIRES - new Michelin 165R15, 2/\$95; also used Goodyear Suburbanites 1.65x15, 2/\$10. Ext.

SNOW TIRES - w/w, (2) mounted on 14" rims, H-78-14, glass belted, new, \$25 ea; (1) glass belted w/w reg mounted on 14" rim, H-78-14, new, \$25. Ext. 2972.

73 DODGE DART SPT - a/t, ps/pb, a/c, AM/FM, new radials, clean. Asking \$1795. Pat, Ext. 4628, eves 286-8490.

77 PORSCHE 924 - yellow/blk int, stereo tape deck, touring pkg, 18,500 mi, excel cond. \$9000. 473-6212.

68 BUICK SKYLARK - a/t, ps/pb, runs well, good transp. \$250 firm. Steve, Ext. 3100.

SNOW TIRES - Goodyear E78-14 steel radials. 2/\$15.

76 BUICK LE SABRE - 30,000 mi, ps/pb, a/c, AM/FM, mint cond. \$3400. Brehm, 744-8567 after 6.

4-BIAS PLY TIRES - used 900 mi, P155/800 13, \$45. 929-8637 after 5.

67 VW SQUAREBACK - good transp, tires & brakes good, body fair. \$150. Kenny, 928-5031 after 6.

72 FORD VAN - rebuilt motor, good work van. \$600. Carol, 661-8275 after 4.

NEW & USED TIRES - rims, repairs, mag wheel service, reg, radial, Dunlop-Firestone, free instal, balance avail. F. Usack, Ext. 4597 lunchtime or 475-4935 eves.

74 FIAT 128 - 2 dr sedan, 58,000 mi, excel cond, new valve job, brakes, muff, batt, AM/FM cassette. \$1500. Ext. 4492, 286-0384.

78 TOYOTA COROLLA - 2 dr, 5 spd, radial, radio, mostly hwy driven. Asking low 30's, highly negotiable. Ext. 2337.

TIRES - (1) HR78-14 steel belted radial, \$10; (1) GR78-14 Uniroyal snow, \$15; (1) Philco in-dash AM pushbutton radio, \$15. Chris, Ext. 3919, 929-4310.

66 MUSTANG - 6 cyl, a/t, 4 new w/w tires, 2 snows, excel int. \$675. Jim, 286-9700.

71 VW SUPERBEETLE - 12,000 mi on new motor, all new parts, tires, excel running cond. \$1000. 821-9419.

71 CHEVY EL CAMINO PICKUP - std trans, 307 eng, runs well, no rust. \$1500. John, Ext. 4666, 324-0220.

72 VOLVO - like new cond. Stanley, 281-7159. SNOW PLOW - Meyer 7', elec, good cond. \$400.

289-3093 after 6. 75 JEEP WAGONEER - ps/pb, a/c, quadromatic,

37,000 mi. 878-4474. 77 PLYMOUTH FURY SPORT - a/c, AM/FM 8 trk, 318 cu, 18 mpg, A-1 cond. \$4000 firm. Al, Ext. 3284, 588-

4703, 265-0540. 3 CORVAIR TIRES - w/rims, 6.00x13. \$6 ea. 751-2869. 69 OLDS CUTLASS - needs fixing. \$200. Chris, Ext.

Miscellaneous

bera, 473-6432.

ALUM WINDOW SCREENS - 32x50 & 32x42 (6 ea), 24×39 (1), 32×39 (1), best offer; folding doors, woodgrained, barely used, all hardware, \$25. E. Kaplan, Ext. 2007, 751-1474.

REO MOWER - \$25; bathrm sink & cabinet, \$15; travel sprinkler, \$10; baby scale, \$10; ice chest, \$7; toilet bowl & tank, \$15; bath scale, \$5; contour chair, needs uphols, \$10. Palais, Ext. 2913, 698-0576 after 6. DOG SUPPLIES WHOLESALE - leads (nylon & chain), chokes, stationary, decals, grooming aids. A Sand-

SURF BOARD - 6'3" Bing Bonzer tri-fin, good cond. \$75. Andy, Ext. 3514, 286-8814 after 6.

SCUBA DIVING REGULATOR - Poseidon brand w/ US Divers pressure gauge. 744-1081 after 3

ICE SKATES - 7 prs ranging from blk boys' sizes 1, 2, 6, 8 & girls' white sizes 13, 21/2; typewriter, portable Remington, \$30; recliner chair, bronze leather & It tweed cover, \$20. 929-4522.

FREE - old GE refrig; Westinghouse twin-tub portable washer, like new, \$85; Frigidaire refrig, excel cond; \$95; humidifier, \$30 or best offer, 744-7587.

GRANNY AFGHANS - hand-crocheted by Sr. Citizen shut-in, multiple colors or color of your choice. Sm deposit. 363-6444.

21" TV CONSOLE - b/w. \$50. Betty, 286-0369.

BUFFET - Danish Modern, 5'x36", walnut wood. \$175. Ext. 4532, 277-4091.

ARBORITE TABLE - w/6 chairs, old, \$30; Sears portable washing machine, \$200; 2 metal frame rocking lawn chairs, \$30. Tom, Ext. 3535.

26" MAN'S BICYCLE - \$20. Frank, 281-9504.

REFRIG/FREEZER - Lantz, 10-12 cu ft, runs well. \$30. Mike, Ext. 7941.

MAGNATRAC - 16 hp crawler tractor w/1/3 yd bucket on front end loader, very low hrs. David, Ext. 4019, 537-0937 after 6.

ICE SKATES - sizes 3 & 4, \$4 ea; Flexing exercisor, \$7; bedspread, canopy cover & sham, \$10; GE wall oven, needs work, \$15; 40 gal water pump tank, make offer; 2 school desks, \$5 ea. 475-2998

MAYTAG PORTABLE WASHER - white, excel cond, like new, model A-50. \$125. 929-4823.

LIVING RM SET - (1) 4-cushion couch, 2 chairs, 2 end

SURF POLE - 9' Diawia rod & reel w/monofilament cord, \$40; men's Sony 10 spd bike, \$65. 475-0144

tables, 1 coffee table, 2 lamps. \$375. 878-2879.

ICE SKATES - women's $9\frac{1}{2}$, \$4.50; bowling balls, \$4 & \$6; TV table, expandable, \$3; artist canvases, 7x9m 60 cents/pk 3. Sue, Ext. 4207.

HARPSICHORD, CLAVICHORD KITS - & finished instruments. D. Makowiecki, 878-8548.

SKI BOOTS - Cross-Country, ladies' size 7, Bass bindings, good cond. \$20. 744-1112.

AC GENERATOR - new, 4500 W, 1 Ø 120/240 v, BS 10 hp eng, portable. \$550. 751-2890 after 8 pm.

ELEC GUITAR - needs a little tuning, It blue & white color, plus sm amp. Asking \$70. Darren, Ext. 4613. PORTABLE SEWING MACHINE - Singer "Fashion

Mate" model #237, w/carrying case. \$50. E. Liguori, Ext. 3331, 289-8155. COLONIAL LIV RM - new, pine dry sink, coffee & end

tables, plaid sofa, love seat & ottoman, Scotch Guard. 589-1069 after 6.

LAMPS - w/shades, gold & white swirl, \$3/sm set, \$6/lg set; 7x9 artist's canvases. Susan, Ext. 4207.

1 PR ICE SKATES - blk, size 9, used 2 times, \$10; white pine shutters, used, 2 pr 16"x55", 1 pr 16"x43", \$2/ pr. GR5-8658 after 6:30.

BACKPACK - Jansport Cascade II, lg, \$45; Sierra Designs Eco II ltwt backpacking mtn tent, \$120; Kodak Ektron II elec flash for Trimlite instamatic or tele insta, \$20; elec coffee pot, \$5. Kathi, Ext. 2913.

HAIR DRYER - w/bonnet, \$6; white crockery cannisters, new, orig \$30, will sell for \$15. Karen, Ext. 3689, 281-8016.

STOVE PIPE - triple wall Thor, 3-30" sections, roof flashing, ceiling support & top cap. \$100. Ray, Ext.

FORCED WARM-AIR HEATER - 85,000 BTU, good working order. Free, if you haul it. W. Wilshusen,

MICROMET FEEDER - 5 lb, w/plumbing, good cond. \$30. Bob, 732-9517.

KITCHEN TABLE - 6 chairs, formica w/dk brown, white & gold covering on chairs. \$75. Bill, Ext. 4068. OSCILLOSCOPES - Tektronics, 511AD, \$100; Eico model 460, \$75. Richie, Ext. 4254, 734-7342.

GUITAR - Gretsch elec w/case, \$80. Ext. 2547.

STUFFED ANIMALS - elephant, dogs, bunny. \$2 ea or 2/\$3. Helen, Ext. 2841.

PLAYPEN & HIGH CHAIR - good cond. \$20/both. Debbie, Ext. 2663.

WM ROGERS SILVERPLATE - coffee service, \$45; tea service, \$35. John, 924-4262

BEDS - 2 full size, w/metal box spring & matt, wooden frames, \$20 ea; 2 fold-aways & matt; AM radio, out of Ford Econoline van, hardly used. \$10. 281-0360.

KODAK ROLL FILM TANK - \$3; ankle wgts (jogging), \$6; Novoflex 21/4 bellows, \$10 Graphic camera 7 case, 2-120 film packs, film pack holder, viewing screen, \$200. Kathi, Ext. 2913.

SHOTGUN - Browning Superposed under & over, 12 ga, 2 sets bbls, cyl/cyl & full/full, case. \$600. Ext. 3570, 744-9746 eves.

SKIS - 180's free style solomon 444 bindings, used only a few times, excel cond. \$150, flex. Roger, 924-

BALDWIN GRAND PIANO - 5'2", excel cond. Asking \$3200, 475-5820 after 6.

MINOLTA 35 MM CAMERA - w/case, rangefindertype, excel cond. Only \$75. Al, Ext. 3928, 744-7958

OPAL RING - w/8 diamond chips, orig price \$150, size 61/2. \$75. Tom, Ext. 3289, after 5:30, 744-2644.

ARTIFICIAL FIREPLACE - used brick, 2'd x 5'h x 6'w, wood mantel, logs, screen & andirons, 589-1069

ALUM STORM WINDOWS - triple track, white, used 1 season, size 28"x55". \$15 ea. Joe, Ext. 2975.

HUMIDIFIERS - Sears, \$15 & Devilbiss, \$5; infant seat, \$6; baby carrier, \$8; swag lamp, \$8; Sears exercise bike, like new, \$30. Ext. 4151, 744-2514.

BOYS' BLK FIGURE SKATES - size 3, good cond. \$4. Watson, 286-3679

SKIS - 5'6" w/bindings, poles & poots, size 8B, 2 sets. \$20/set. Stan, Ext. 4278.

TABLE LEGS - 4, solid walnut, unused, tapered, 27" long, square cross-section. Dennis, Ext. 4259, 736-2534 eves.

Real Estate

Real Estate advertised for sale or rent is available without regard for the race, color, creed or national origin of the applicant.

For Sale

BROOKHAVEN HAMLET - 3 bedrm ranch, att gar, fin bsmt w/bar & 2 fp, screened porch, new appl, beautifully landscaped near Bay. 212-472-6713 or 212-831-6157 after 6 p.m.

RANCH HOUSE - 129x149, C-kit, I/r, d/r, 4 bedrms, den, brick wall fp, 2 baths, util rm, all underground sprinklers, central a/c, appl, gas h/w heat. Molinaro,

SHOREHAM - N of N Country, 4 bedrm cape in established neighborhood, deeded beach rights, 1/3 acre, fp, deck, fin bsmt, extras. \$47,000. 744-5801.

SHIRLEY - 3 bedrm ranch, 1/r, d/r, eik, den w/fp, patio, w/w, att gar, fin bsmt w/bath, kitchen & priv ent, 4 appl, ½ acre. \$29,990. Moving, must sell. Ext. 3689, 281-8016.

E PATCHOGUE - 10 rm Colonial, beautifully landscaped, rock garden, gazebo, 1.4 acres, horse country, 4 bedrms, $30' \, l/r$, fp, formal d/r, laundry rm off kit, 2 gar, full bsmt. Low 60's. 475-0168.

ROCKY PT - The Tides, 70' ranch on ½ acre, 3 bedrms, I/r, d/r, den w/fp, eik, 2 full baths, oak floors, patio, full bsmt. \$45,000. 744-6482.

E PATCHOGUE - must sell, 3½ yr custom built oversized 9 rm wide ranch, prime area, 4-5 bedrms, 21/2 baths, huge eik, d/r, 2 dens, 2 gar, appl, carpeting, beautifully landscaped. 289-0443.

E ISLIP - 7 rms, 1½ baths, eik, d/r, a/c, fire alarm sys, gar. Low 30's. 581-2459 after 5.

NORTH FORK - LI Sound, secluded, 3 bedrms, 3 baths, 2 fp, rustic ranch in heavily wooded area, Ig pine kit, I/r, d/r & fam rm, beautifully landscaped w/16x32 pool. 727-7741 after 6 p.m.

MOBILE HOME - 2 bedrms, Holly Park brand, 12'x60', 12'x14' add-on rm, central a/c, washer & dryer, landscaped, mint cond, immaculately clean, located in trailer park in Wading River. 727-8582, 5:30-7:30 p.m.

SHOREHAM - 4 bedrm custom built colonial, 21/2 baths, laundry rm, eik, 2000 sq ft liv space, 2 car gar, fin bsmt, 1 acre fenced & landscaped. \$56,500. 744-

SHOREHAM VILLAGE - Ig Clarendon custom Colonial, 4 bedrms, 2½ batths, den w/fp, eik, formal d/r, 1¼ wooded acres, deck, walk to tennis, beach, country clubs. \$80,000, reduced. 744-1935.

CENTEREACH - Ig 4 bedrm colonial, 2 yrs old, cathedral ceiling, 2 car gar, prime area, relocating, must sell! Reduced \$8,000. \$36,990. 698-5475.

For Rent

WADING RIVER - 4 rms, priv ent, util & appl incl. \$275/mo. Ext. 2387, 929-8846.

RONKONKOMA - 4 bedrm house, bath, w/barn, on

1 acre. \$400 plus util. 265-8827.

MILLER PLACE - 4 bedrm house, furn, Feb-Aug. Ext.

E PATCHOGUE - La Bon Bie II, 3 rm apt to sublet,

adults only, avail April 1. H. Morris, 475-2260.

SHIRLEY - 2 bedrm apt, all util, no pets, 5 min to BNL. \$200/mo. 281-4392 after 6 p.m.

E PATCHOGUE - 2 bedrm furn house for 9 mo occupancy beginning 3/1/79. \$250/mo + util. 286-0606.

RIVERHEAD - unfurn 2 bedrm apt, 1/r, kit, bath, util not incl in rent. Ext. 4062, 727-0187 after 6. SOUTHAMPTON - studio apt, furn, 1 mi from college w/BNL carpool potential. \$145/mo incl util, year

round or season. John, Ext. 2070, 283-0223. PT JEFF - 1 bedrm apt w/balcony. \$250/mo incl heat. Sam, Ext. 2675.

BAY SHORE - 3rd person wanted to share house in Bay Shore, avail Feb 1. \$150 pays all. Ext. 3992, 399-

Wanted

or 928-0693.

DOG CAGE - to transport mid size. Yukio, Ext. 3817. WOULD LIKE TO EXCHANGE - 2 King Tut tickets, from Feb 16 - 4 p.m., to any other date. Call R. Wright, Ext. 3418, Jan 29.

BICYCLE - man's 3 spd in good cond. Leo, Ext. 3499. LABELS - Campbell's soup or beans, V8 & Franco-American, need only front portion w/name. Gangwer, Bldg. 815.

KITCHEN SCALE - also hand truck. Bill, Ext. 4662, 298-4089.

BABYSITTER - occasional part time for 2 mo old boy, Bayport area, 345-3220, SITTERS - in the Miller Place area. 437-7460 after 6,

15 GAL AQUARIUM - need not be water tight. Ext.

20" UNICYCLE - good cond, Sears or Schwinn preferred, George, Ext. 3499. HOUSE TO RENT - Shoreham/Wading River, 3 or 4

TAPE CARTRIDGES - unusable, broken, your throwaway wanted for rebuilding. Ext. 4058.

bedrms, starting July. 821-1826.

CAR RADIO - am/fm for 71 Gremlin. Janet, Ext. 2345, 929-8152.

HAVE-A-HART TRAP - sm preferred. Jim, Ext. 2485. CLEANING WOMAN - reliable, experienced thorough worker. 475-8658 after 6:30 p.m.

CLEANING LADY - 1 day/wk, Bellport area, own transp & references. 286-0284. USED HOCKEY SKATES - boy's size 3 or 4. M. El-

zinga, Ext. 2304, 929-8944. BOY'S ICE SKATES - prefer figure, will accept hockey,

BABYSITTER - mature woman w/own transp, 2:30-5:30, 2-3 days/wk. Maureen, 821-1322. LIVE IN "GRANDMA" - to care for our year-old son;

room board & stipend, Smithtown area. 979-0607, 9 a.m.-9 p.m. WASHER & DRYER - in good cond. Louisa, Ext. 4207,

736-2094 after 5:30 p.m. Car Pools

size 5-6. Austin, Ext. 4278.

STONY BROOK - 5th driver needed. E. Kaplan, Ext. 2007, 751-1474.

CORAM - ride needed to & from Lab, will share expenses. A. Isaacson, Ext. 4367.

PT JEFFERSON - 8:30-5, want to start or join car pool. 473-7739.

RIDE - Stony Brook to Middle Island, MWF after 10 a.m. 924-7756. S HUNTINGTON - wish to start or join car pool; my

car seats 4, packs 5. George, Ext. 2365, 423-5436. Services

FIREWOOD - seasoned oak, 4'x4'x18", \$50 delivered; 4'x16'x18", \$90. 924-4284 after 5.

SOME TICKETS AVAILABLE- Tom Jones at Westbury Music Fair March 21. Cathy, Ext. 4093, 732-6262. TUTORING - experienced elem school teacher will

tutor. \$7.50/hr my home; \$10/hr your home. 399-4929 after 5:30. TAXES - prepared in your home or mine. Reasonable.

John, 732-2472. CHILD CARE - mother w/preschooler in Ridge to care for your child/children any time, also regular basis. 929-6493 after 6 p.m.

LOCAL, LONG & LIGHT TRUCKING - moving avail Mon thru Thurs eves, all day Sundays & holidays. 727-5912.

 ${\bf HOUSECLEANING}\ -\ thorough,\ efficient,\ preferably$ Sayville/Bayport/Oakdale area, have own transportation. \$3/hr. Chris, 589-3485.

TUTORING - HS Honor Society student will teach Math, English, Science. My home, \$5/hr, yours \$7/ hr. Larry, 472-3985.

TV REPAIR - free estimate on all carry-ins. Frank DiCrescio, Ext. 4597 lunchtime or 399-1803 eves. COMPARISON SHOPPERS - Consumer's Union group

now has openings at lowest rate. \$8 per annum. Alyce, Ext. 2902.

TYPING - thesis, papers & technical manuscripts typed. Ruth, 281-1773.

EXPERT TUTORING - Reading, Math to grade 12, French, German, English, in my home. \$10/hr. 941-4328.